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'Excel Visual Basic code for Teckmo Devices espand slow and that of authorizing all filling and the state of 
Last updated Feb 22, 2001
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'Zaber Technologies Inc - www.zaber.com
' Note that the code below is identical to the Visual Basic Demo code in every way
' (ie it was simply cut and pasted from MS Visual Basic) except for the addition
of the UserForm Initialize() subroutine (see this routine below for more details)
' global variables
                                                                                        '6 byte command to send
Dim iCommand(1 To 6) As Byte
Private Sub cmdOpenCom_Click()
       ' the "open com port and renumber" button was clicked
      If objCommPort1.PortOpen = True Then
             MsgBox "The Com port is already open"
                                                                                                                                            this is the first control to gte the facus.
             With objCommPort1
                   'Set com port number based on user selection
                   If optCom1.Value = True Then
             The first instruction minimizes the Excel window. As discussed che noquinous not
 happen immediately. The next two instructions prepare the initial values to \frac{\text{pela}}{\text{pela}} wn in the text boxes of the user form. The next value to be written is stored in cell \frac{\text{pela}}{\text{pela}} the en
  of the print process (see later). The second instruction retrieves it on the assumption that
                   ' try to open the port
                   .PortOpen = True
                   ' settings for Teckmo communications
                   .Handshaking = comNone .Xed txst redmu/IO91x1 od of augot od tes of noncountering.
 TextIndex property (combined with the TextStop) txeTeboMtuqnImo = eboMtuqnI. the first
                   .InputLen = 1
                                                                                                                   object selected so we could have omitted it.
                   .RThreshold = 1
                   As the application runs, you will see the blank Excel workbook out = olden32TR.
                  to the task bar. This is the only indication that Excel is running sels = slden and.
                   .RTSEnable = False
                                                                                                                                                                                            Event Actions
            Entry of data into the text boxes is handled automatically, There are only fold event
       you need to consider. These are: click on the Print button, click o stinu lla radmunar "III.
             'objCommPort1.Output = Chr$(0) + Chr$(2) + Chr$(0) + Chr$(0) + Chr$(0) + Chr$(0)
             ' wait while renumbering
             Call Delay(2.5)
      End If
In order to find the code for the button events, if the user form is visible, right clique bna
       the button and select View Code from the menu. The associated click code will pop un
Private Sub cmdExecuteSheet_Click(): no slick on the first substantial of the could right click on the could right click 
        execute all commands on the sheet in sequence starting at top left
        commands must be preceded by 'ZT' in a cell by itself
      If (objCommPort1.PortOpen = False) Then
             The Cancel click event simple closes the user will mago ton at troo mod art" was allowed.
      Debugging this can be painful, so you may want to exclude the Excel termination estal
             Range("A1"). Select
             find first command
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Cells.Find(What:="ZT", After:=ActiveCell, LookIn:=xIValues, LookAt:=

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' then close the port
         If objCommPort1.PortOpen = False Then
                MsgBox "The Com port is already closed" and one bosu are saldered on T
                 objCommPort1.PortOpen = False
         End If
                                                                                                                                                                                              Public nNumberOfCopies As Integer
 End Sub
 When the Print button is clicked, the procedure first analyzes ()ixiD_tmoJtgo due and Vernation is clicked.
         illegal inputs a message box is used to alert the user of the error. Since Excel is already
 minimized, the use of the message box does not interfere with the operation. If thdue bnd
 Private Sub Worksheet_Deactivate()
                                                                                                                                                                                                                        txtOuantity text box.
          close the com port when the worksheet is deactivated
         ' so that the com port will be available for access by
         The value of the next PO number is placed in the workshee steedshow reads and all of the next PO number is placed in the workshee steedshow reads and all of the next PO number is placed in the workshee steedshow and the next PO number is placed in the workshee steedshow and the next PO number is placed in the workshee steedshow and the next PO number is placed in the workshee steedshow and the next PO number is placed in the workshee steedshow and the next PO number is placed in the workshee steedshow and the next PO number is placed in the workshee steedshow and the next PO number is placed in the workshee steedshow and the next PO number is placed in the workshee steedshow and the next PO number is placed in the workshee steedshow and the next PO number is placed in the next PO number 
The reason for this is twofold. Firstly the work nedT (eurT = neqOtroq.ntnoqmmoJido) the
                 be used next time. Secondly, as you know from regular operation—exological description of the condition of t
 it has been modified will result in the user prompt with the option of saving the duZ bna
 Private Sub Delay(d)
            wait for d seconds
                                                                             Finally the application unloads the form and quits the application.
          t = Timer
         While (Timer - t) < d
                                                                                                                                                                                                                                               Auto Start Up
  To run this procedure as the worksheet is open we place the following in the worduS bn3
  Private Sub objCommPort1_OnComm()
                                                                                                                                                                                                            Private Sub Workbook Open()
          just remove any bytes received by the com port
          temp = objCommPort1.Input
  Incidentally if you need to debug this application, open Excel and then hold the shark key
  Sub Position_to_bytes(Position As Double) about 19 of a not sorting a set an inago of the more
            convert the user input data into 4 data bytes to send
          If Position >= 0 Then
                  'positive value entered by user
                 iCommand(6) = Int(Position / (256# * 256# * 256#))
                Position = Position - 256# * 256# * 256# * iCommand(6)
                 iCommand(5) = Int(Position / (256# * 256#)) noiteoilege slody sell and like (helt segreds
                  Position = Position - 256# * 256# * iCommand(5) as add to be suggisted as a suggestion in the suggesti
                  iCommand(4) = Int(Position / 256#)
                 Position = Position - 256# * iCommand(4)
                  'negative value entered by user
                  Position = -Position - 1
                  iCommand(6) = Int(Position / (256# * 256# * 256#))
                  Position = Position - 256# * 256# * 256# * iCommand(6)
                  iCommand(5) = Int(Position / (256# * 256#))
                  Position = Position - 256# * 256# * iCommand(5)
                  iCommand(4) = Int(Position / 256#)
                  Position = Position - 256# * iCommand(4)
                  iCommand(3) = Int(Position)
                  iCommand(6) = 255 - iCommand(6)
                  iCommand(5) = 255 - iCommand(5)
                  iCommand(4) = 255 - iCommand(4)
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iCommand(3) = 255 - iCommand(3) End If End Sub Figure 7: Running the application. Note the workbook icon on the right. No say of Real angular!

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xiWhole, SearchOrder.=xiByRows, SearchDirection:=xiNext, MatchCase:=True)
The code is:
Private Sub cmdCancel Click()
                                                                       R1 = ActiveCell.Row
  Me. Hide
  'Unload Application
  Application. Quit
End Sub
Find the userform terminate event and add the exact same code as follows:
Private Sub UserForm_Terminate()
                                              Set CurCell = ActiveSheet.Cells(R, C + 1)
  Me.Hide
  'Unload Application
  Application. Quit
End Sub
                                            Set CurCell = ActiveSheet.Cells(R, C + 2)
Now to consider how to run the application once the Print button is clicked:
Private Sub cmdPrint Click()
                                                Call Position to bytes(CurCell.Value)
  Dim intl As Integer
                                                                  'send the command
  nNumberOfCopies = -1
                                                 objCommPort1.Output = iCommand
  While nNumberOfCopies = -1
    If IsNumeric(txtPONumber.Text) = False Then
                                                 'read Cont? indicator (indicates what
       MsgBox "Only numbers please!", vbOKOnly
                                                 Set CurCell = ActiveSheet Cells(R, C
       txtPONumber.Text = Range("K8").Value
                                             determine what to do based on cell conte
       'fetch the last value that was printed +1
                                                          If (CurCeil.Value > 0) Then
    Else
       If IsNumeric(txtQuantity.Text) = False Then
         MsgBox "Only numbers please! ", vbOKOnly
                                                      ActiveCell.Offset(0, 5).Select
         txtQuantity.Text = "1"
                                                        prompt to continue or stop
      Else
                              data = InputBox("Enter Data (or 's' to stop sheet exec
         fetching the setup values
                                                                If (data = "s") Then
         nStartingFrom = Round(Val(txtPONumber.Text), 0)
                                                                   more = False
         nNumberOfCopies = Round(Val(txtQuantity.Text), 0)
      End If
                                                         record the entered data
    End If
                                      Set CurCell = ActiveSheet.Cells(R, C + 5)
  Wend
  If nNumberOfCopies <> 0 Then
    For intI = 1 To nNumberOfCopies
       Range("K8"). Value = nStartingFrom
                                                                                  End If
       Call PrintPO
       nStartingFrom = nStartingFrom + 1
    Next intl
    'save the values in the workbook
                                                                 C = ActiveCell.Column
    'to prevent the "ARe you sure question
                                                                    R = ActiveCell.Row
    when the application closes
                                                        If ((R = R1) And (C = C1)) Then
    Range("K8"). Value = Range("K8"). Value + 1
    'saving the next number to be printed
    Active Workhook Save
  End If
  Me. Hide
  'Unload Application
  Application. Quit
```